

AMENDMENTS TO THE SPECIFICATION

Replace the paragraph beginning at line 66 in column 1 of the specification with the following amended paragraph:

A preferred method for the use of flexible lithographic supports is to have a roll of the hydrophilic support within the press which when new material is required dispenses the new substrate and recoils the used substrate automatically. Such a system is utilized commercially in the Heidelberg [Quickrmaster] Quickmaster DI press and on-press imaging system. In such a system all operations are carried out in-situ on the press with the exception of occasional renewal of the roll of hydrophilic support material.

Replace the paragraph beginning at line 13 in column 2 of the specification with the following amended paragraph:

The digital laser [imagine] imaging head is in essence an image setter attached to the printing press and comprises a laser which scans in an imagewise manner radiation across the plate in response to image signals stored in a computer.

Replace the paragraph beginning at line 17 in column 2 of the specification with the following amended paragraph:

The laser may emit in the [U.V] UV waveband as white light or preferably in the infrared region of the spectrum.

Replace the paragraph beginning at line 40 in column 3 of the specification with the following amended paragraph:

The exposed image was in the form of a spiral whereby the image in the centre of the spiral represented slower scanning speed and long exposure time and the outer edge of the spiral represented fast scanning speed and short exposure time. [Imagine] Imaging energies were derived from the measurement of the diameter at which the image was formed.

Replace the paragraph beginning at line 47 in column 3 of the specification with the following amended paragraph:

The diameter of the spiral can be equated to mJ/cm^2 in terms of pixel energy density. The minimum energy that can be delivered by this exposure system is [150 mJ cm^2] 150 mJ/cm^2 at an rpm of 2500. These sensitivities are quoted in the Examples which follow the higher the figure the less the sensitivity.

Replace the paragraph beginning at line 10 in column 4 of the specification with the following amended paragraph:

Example 1 was repeated using Eurocure MD UV SPX190 Black ink (Edward Marsden Inks) to give wet ink coating weights from 2.5 to 6.5 [g m^2] g/m^2 and a typical sensitivity of 4900 mJ/cm^2 in terms of pixel energy density.

Replace the paragraph at line 24 in column 5 of the specification with the following amended paragraph:

0.3 g Coates [IV] UV cure black ink.

Replace the heading beginning at line 56 in column 5 of the specification with the following amended heading:

UV Ink with [Sesitiser] Sensitiser KF646 PINA on Silicated Substrate

Replace the paragraph beginning at line 60 in column 5 of the specification with the following amended paragraph:

Wet ink coating weights [of 3] of 3 to 5 g/m^2 were found to give sensitivities around 1360 mJ/cm^2 when optimized.

Replace the heading at line 64 in column 5 of the specification with the following amended heading:

UV Cure Ink With Acid Generator [(Trazine)] (Triazine)

Replace the paragraph beginning at line 65 in column 5 of the specification with the following amended paragraph:

The acid generating triazine [2(4-phenylthiomethyl)-4,5-trichloromethyl-s-triaane] 2(4-phenylthiomethyl)-4,5-trichloromethyl-s-triazine was mixed at 3% by weight with [U.V.] UV cure ink as follows:

Replace the paragraph beginning at line 21 in column 6 of the specification with the following amended paragraph:

In the Examples above, dye KF646 was supplied by Riedel de Haen. It is a [benzhiazole] benzothiazole based heptamethine cyanine dye, λ_{max} 792 nm in MeOH.

Replace the paragraph beginning at line 53 in column 6 of the specification with the following amended paragraph:

The acid generating triazine 2(4-phenylthiomethyl)-4,5-trichloromethyl-s-triazine was mixed at 3% weight to weight with [U.V] UV cure ink as follows:

Replace the paragraph beginning at line 15 in column 7 of the specification with the following amended paragraph:

Even though some of the above listed inks are stated to be [U.V.] UV sensitive they are all infra-red sensitive as they contain carbon black.